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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/753,520	01/08/2004	Richard D. Dettinger	ROC920030279US1	9843

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IBM CORPORATION, INTELLECTUAL PROPERTY LAW  
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3605 HIGHWAY 52 NORTH  
ROCHESTER, MN 55901-7829

EXAMINER

PHAM, KHANH B

ART UNIT	PAPER NUMBER
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2166

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	01/25/2007	PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

**Office Action Summary**

Application No.

10/753,520

Applicant(s)

DETTINGER ET AL.

Examiner

Khanh B. Pham

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 24 October 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-15 and 17-22 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-15 and 17-22 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

**DETAILED ACTION**

***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-15, 17-22 are rejected under 35 U.S.C. 102(e) as being anticipated by Davison (US 2003/0037069 A1), hereinafter "Davison".

Claim 1.

Davison discloses:

A computer-implemented method for generating a transactional database statement based on an existing database statement, comprising [pre-generated database queries, Para 0069]:

parsing the existing database statement to identify fields and corresponding field attributes (The library of pre-generated query are parsed to identify particular query name and location) [Para 0065-0071];

utilizing one or more interfaces for receiving input regarding the transactional database statement (interface for selecting URL and update, insert) [Para 0065, 0096];  
and

generating the transactional database statement based on the identified fields and user input [database queries, Para 0068-0070].

Claim 2.

Davison discloses the elements of claim 1 as above and furthermore it discloses wherein the transactional database statement is one of:

an insert statement, an update statement, and a delete statement [insert, update, SQL, Para 0091, 0096].

Claim 3.

The method of claim 2, wherein generating the transactional database statement based on the identified fields and user input comprises [Para 0063, 0077]:

generating a transactional database statement with one or more of the identified fields [generate query, Para 0069, 0070]; and

populating one or more of the fields with input received via the one or more interfaces (interface to allow a table to be loaded (populate fields)) [Para 0096].

Claim 4.

Davison discloses the elements of claim 1 as above and furthermore it discloses

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attaining metadata regarding one or more of the identified fields (information about data) [Para 0062].

Claim 5.

Davison discloses the elements of claim 1 as above and furthermore it discloses

wherein utilizing the one or more interfaces comprises:

generating at least one graphical user interface for receiving input from a user, wherein the graphical user interface allows the user to specify one or more records to affect with the transactional database statement [parameter screen, editor screen, Para 0092, 0095].

Claim 6.

Davison discloses the elements of claim 5 as above and furthermore it discloses

wherein utilizing the one or more interfaces further comprises:

issuing a query to retrieve data related to at least one record specified by the user via the graphical user interface [Para 0088-0089]; and

displaying the data retrieved in the graphical user interface [returned results, Para 0088-0089].

Claim 7.

Davison discloses the elements of claim 6 as above and furthermore it discloses

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wherein:

the transactional database statement is an update statement [SQL, save, Para 0091] ;

the graphical user interface allows the user to make changes to at least a portion of the retrieved data [query editor screen, Para 0091]; and

submit the changes to the database via the transactional database statement [SQL, save, 0091].

Claim 8.

Davison discloses the elements of claim 7 as above and furthermore it discloses,

wherein:

the graphical user interface allows the make changes data related to more than one record [Para 0091, 0095]; and

submit the changes to the database via the transactional database statement [Para 0091, 0095].

Claim 9.

Davison discloses the elements of claim 5 as above and furthermore it discloses providing the user access to the graphical user interface screen via a plug-in component to an application [stand alone package (plug-in), Para 0069].

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Claim 10.

Claim 10 is essentially the same as claim 1 except that it recites "computer readable storage medium" and as such it is rejected for them same reasons as applied hereinabove.

Claim 11.

Claim 11 is essentially the same as claim 2 except that it recites "computer readable medium" and as such it is rejected for them same reasons as applied hereinabove.

Claim 12.

Claim 12 is essentially the same as claim 3 except that it recites "computer readable medium" and as such it is rejected for them same reasons as applied hereinabove.

Claim 13.

Claim 13 is essentially the same as claim 5 except that it recites "computer readable medium" and as such it is rejected for them same reasons as applied hereinabove.

Claim 14.

Claim 14 is essentially the same as claim 6 except that it recites "computer

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readable medium" and as such it is rejected for them same reasons as applied hereinabove.

Claim 15.

Davison discloses:

A data processing system comprising:

a processor [Fig. 11]

a database [Fig 10];

an existing query statement residing in storage [pre-generated database queries, Para 0069];

a query interface allowing users to issue query statements against the database [query editor, Para 0085]; and

a transaction manager which, when executed by the processor, is configured to generate a transactional statement against the database based on fields and corresponding field attributes of the existing query statement [database queries, Para 0068-0069]

wherein the transaction manager is configured to generate the transactional statement against the database by:

parsing the existing database statement to identify the fields and corresponding field attributes (The library of pre-generated query are parsed to identify particular query name and location) [Para 0070];

generating one or more interfaces for receiving input regarding the transactional



statement (interface for update, insert) [Para 0065, 0096]; and  
generating the transactional database statement based on the identified fields  
and user input [database queries, Para 0068-0070].

Claim 17.

Davison discloses the elements of claim 15 as above and furthermore it  
discloses, wherein the transaction manager is configured to attain, from the database,  
metadata for use in generating the transactional statement (information about data)  
[Para 0062].

Claim 18.

Davison discloses the elements of claim 15 as above and furthermore it  
discloses one or more plug-in components allowing access to the one or more  
interfaces from the query interface [stand alone package (plug-in), Para 0069],

Claim 19.

Davison discloses the elements of claim 18 as above and furthermore it  
discloses wherein the one or more plug-in components provide access to an interface  
for entering input to be used in an insert transactional statement [stand alone package  
(plug-in), editor, Para 0069].

Claim 20.

Davison discloses the elements of claim 18 as above and furthermore it discloses, wherein the one or more plug-in components provide access to an interface for updating a record [update, Para 0096, 0101].

Claim 21.

Davison discloses the elements of claim 20 as above and furthermore it discloses, wherein the one or more plug-in components provide access to an interface for updating multiple records [update, Para 0096, 0101].

Claim 22.

Davison discloses the elements of claim 20 as above and furthermore it discloses, wherein the database is one of:  
a relational database, an object-relational database, an XML database, and a relational database [database, XML data, relational database system, Para 0177, 0178].

***Response to Arguments***

3. Applicant's arguments filed October 24, 2006 have been fully considered but they are not persuasive. The examiner respectfully traverses applicant's arguments.

Applicants argued that Davison does not disclose "generating a transactional database statement based on user input and identified field from the existing database

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statement." On the contrary, Davison clearly teaches at [0068]-[0070] the steps of parsing a library of related queries (i.e. "parsing the existing database statement") to generate a particular query (i.e., "generating the transactional database statement") based on the identified fields (i.e., "query name" and "query location") included in the user's data request (i.e., "user input").

**[0065]** In a preferred embodiment, the request comprises information that identifies a pre-generated database query, the query being stored on the server 110. An exemplary request comprises a URL taking the following form:

**[0066]** `http://(hostspec)/mle-cgi/xml?(queryname)`

**[0067]** In this URL, (hostspec) is a value that identifies the particular server that the request is directed to. An exemplary (hostspec) value is `www.supplier.com`. The portion of the URL between the (hostspec) and the (queryname) is information that identifies a particular location on the server where the pre-generated database queries are stored. This information points to, for example, a file or directory containing the pre-generated query.

**[0070]** Once the queries are created, they are stored on the server. In a preferred embodiment, the queries are stored in separate files on the server. This allows the enabler agent to locate the proper query quickly and easily, when the enabler agent is presented with a URL containing the keyword associated with the query, as discussed above. Queries can also be stored in other formats; for example, a single file could contain a library of related queries. The enabler agent

in this example would parse the library file to locate the particular query specified in the request.

In light of the foregoing arguments, the 35 U.S.C 102 rejection is hereby sustained.

***Conclusion***

4. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Khanh B. Pham whose telephone number is (571) 272-4116. The examiner can normally be reached on Monday through Friday 7:30am to 4:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hosain Alam can be reached on (571) 272-3978. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Khanh B. Pham  
Primary Examiner  
Art Unit 2166

January 19, 2007

A handwritten signature in black ink, appearing to read 'Kpham', with a long horizontal flourish underneath.